

BEST AVAILABLE COPY

Figure 1

0 1 2 3 4 5 6 7 8

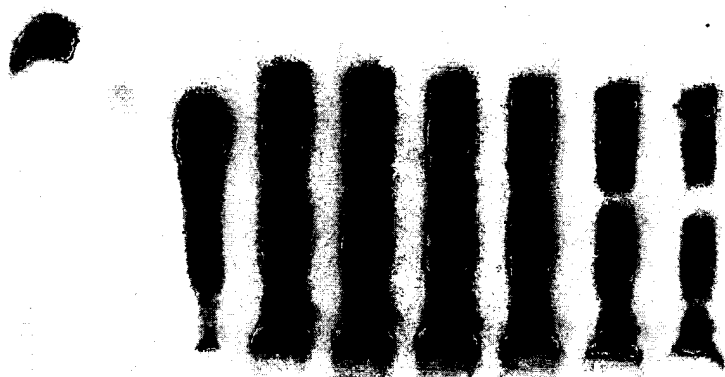


Figure 2

Figure 2A, 2B, 2C

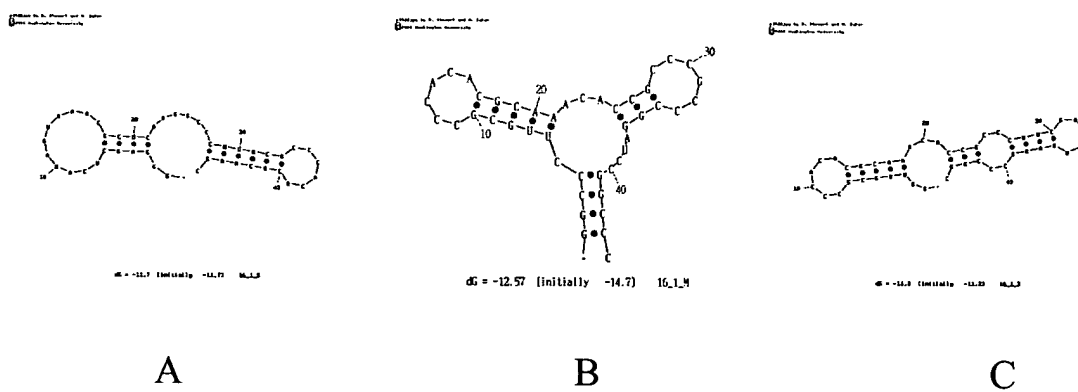


Figure 3

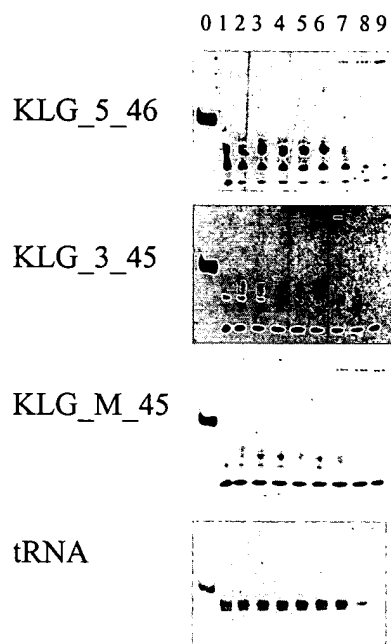


Figure 4

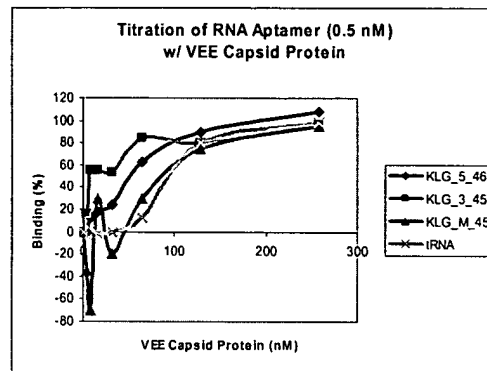
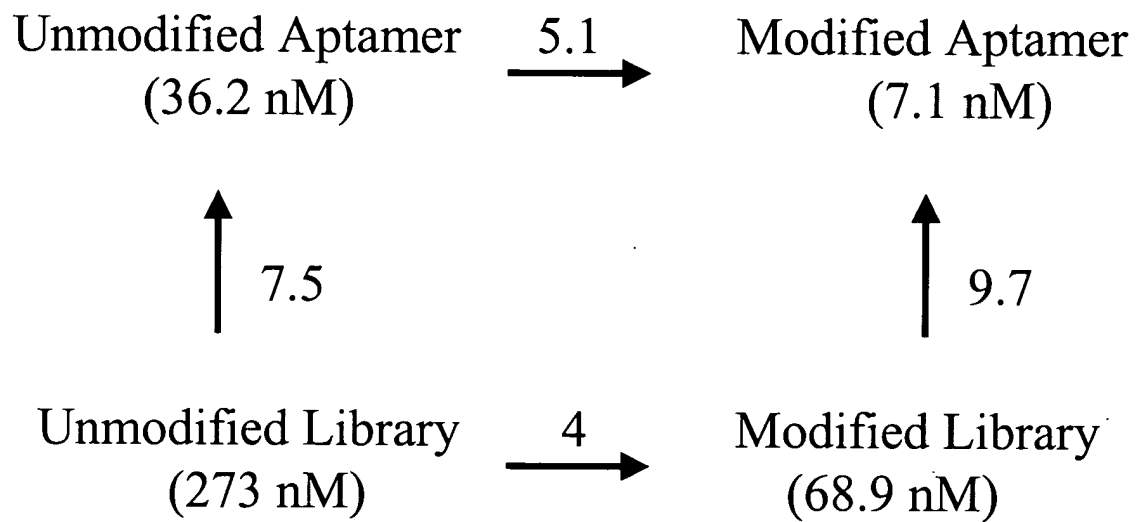
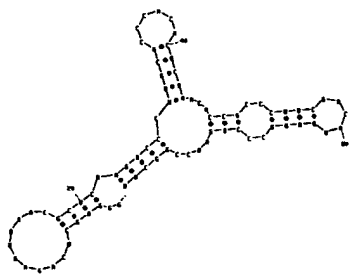


Figure 5



Figures 6A, 6B, 6C and 6D

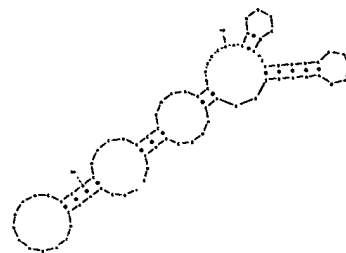
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$\Delta E = -19.67$ (initially -21.53) atoms

a

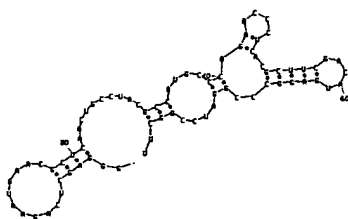
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$\Delta E = -12.73$ (initially -15.13) nonoverlapped(10)

b

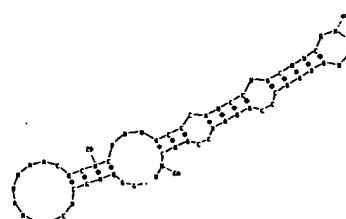
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$\Delta E = -11.7$ (initially -15.13) ΔE 1 (7-2)

c

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$\Delta E = -17.6$ (initially -17.63) control

d

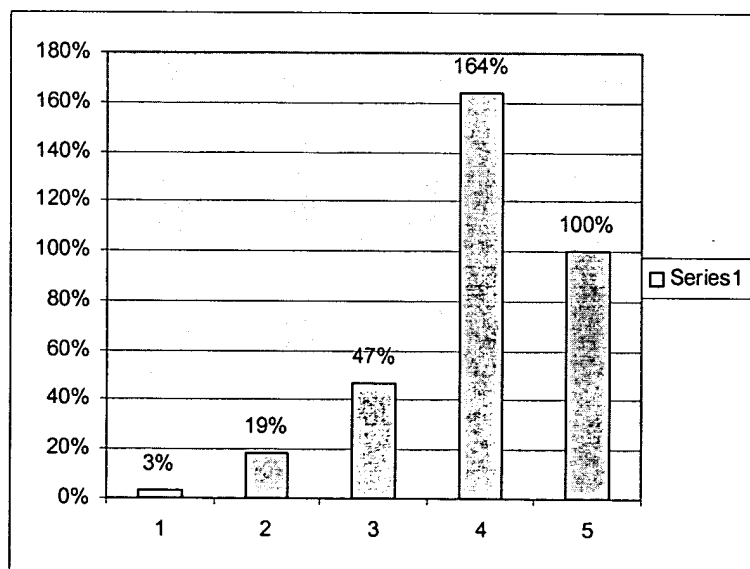


Figure 7

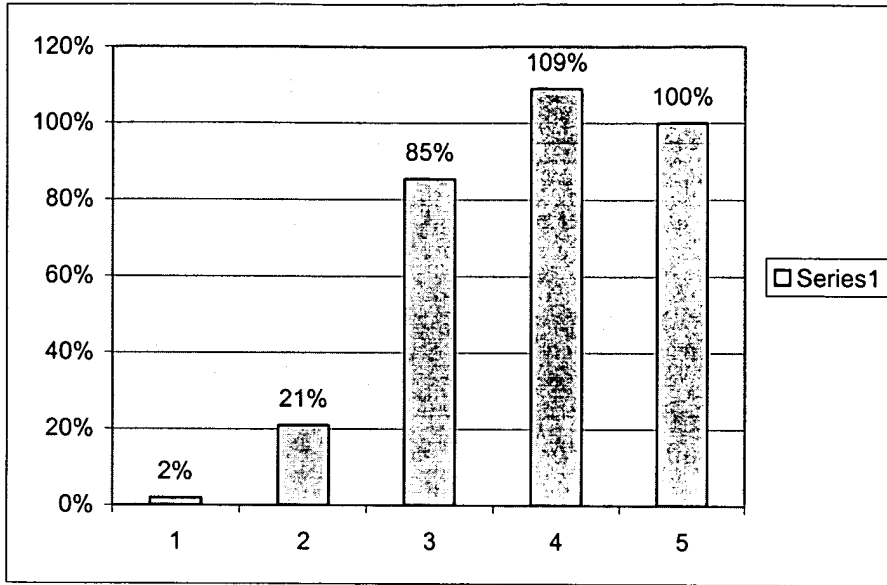


Figure 8

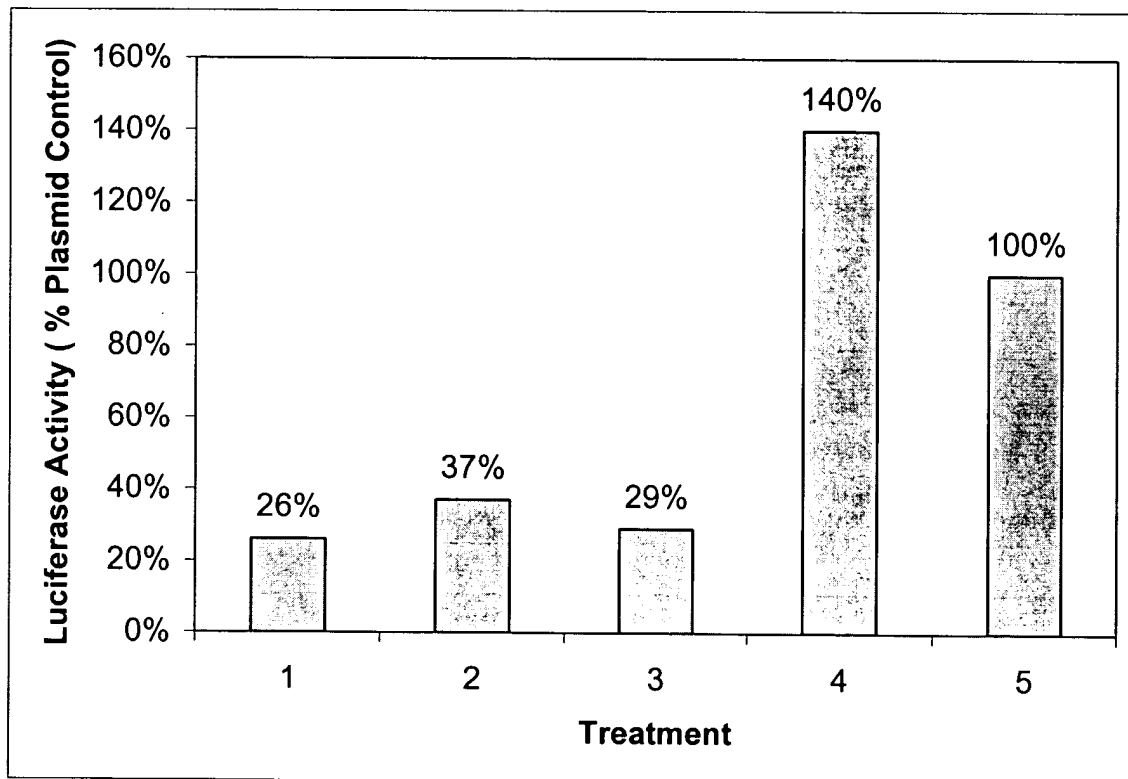


Figure 9

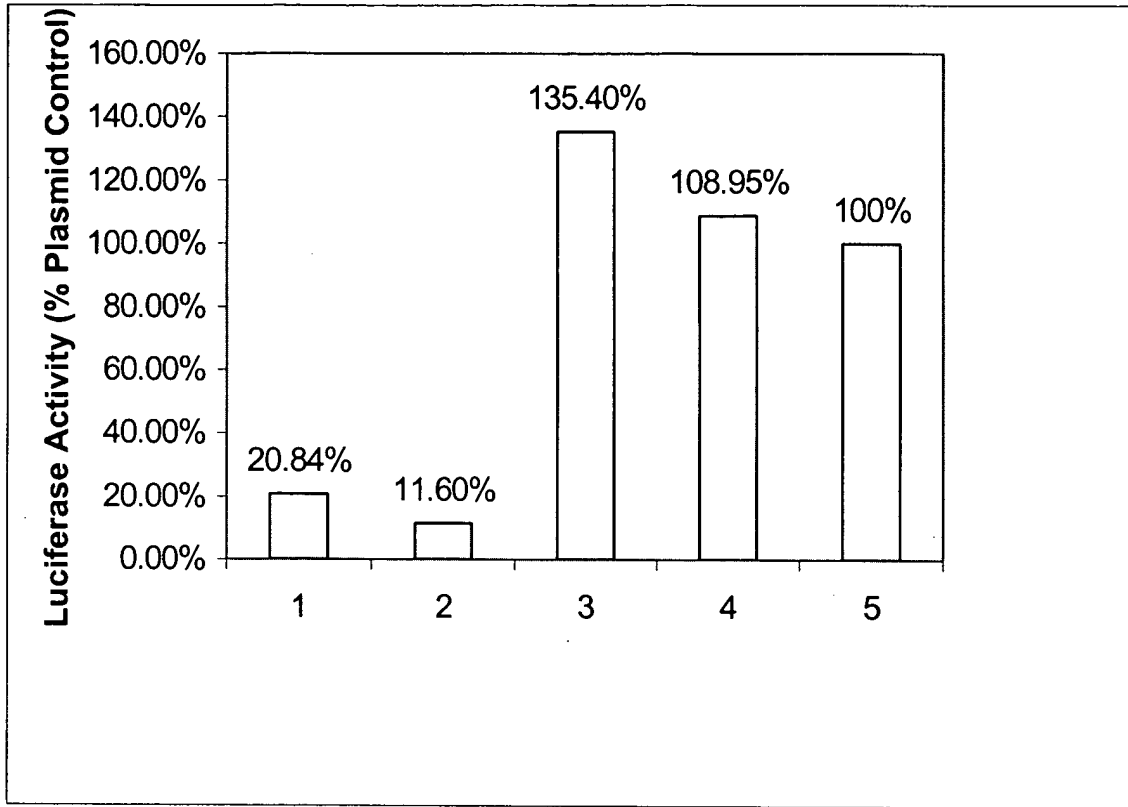


Figure 10

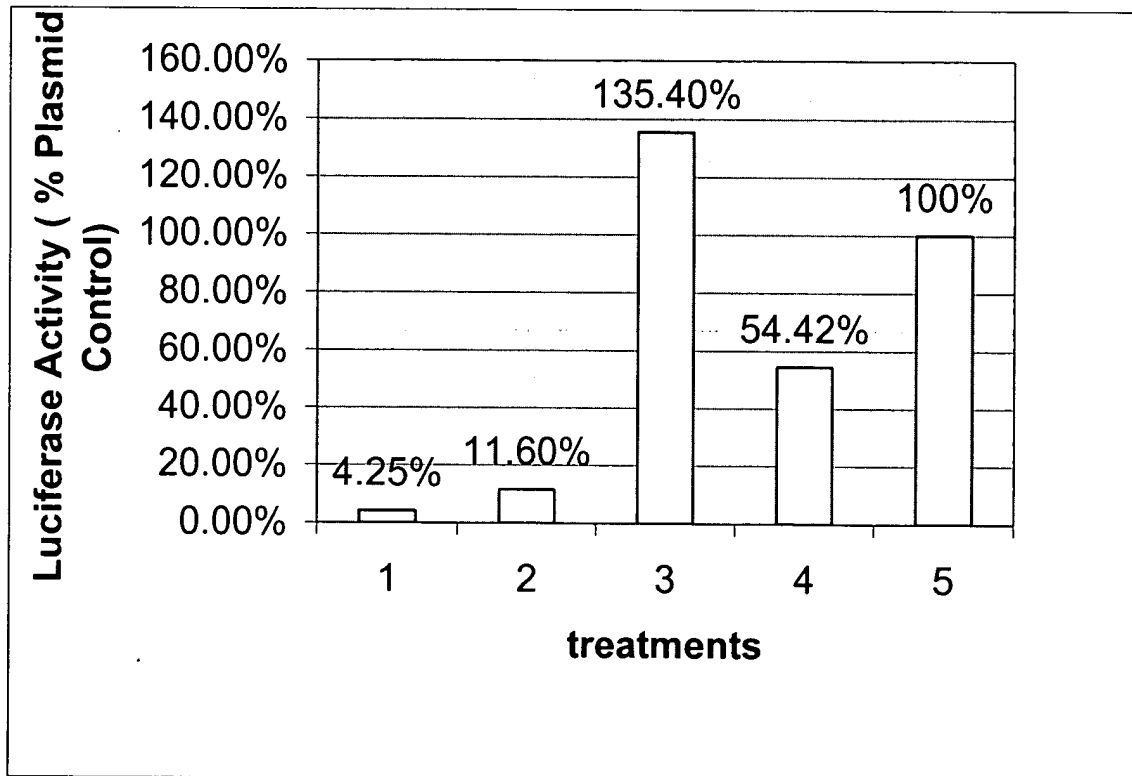


Figure 11